	Application No.	Applicant(s)
Notice of Allowability	10/801,004	NISHIMURA, KOUICHI
	Examiner	Art Unit
	Patricia T. Nguyen	2817
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the c (OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t 3 and MPEP 1308.	orrespondence address plication. If not included n will be mailed in due course. THIS
1. A This communication is responsive to <u>amendment filed 11/15/06.</u>		
2. X The allowed claim(s) is/are <u>2-14 and 16-25</u> .		
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	e been received. e been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subminformal patent APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAMINER	S'S AMENDMENT or NOTICE OF
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Informal F	, ,
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	
3. Information Disclosure Statements (PTO/SB/08),	7. Examiner's Amend	ment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
	9.	

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DETAILED ACTION

Allowable Subject Matter

Claims 2-14 and 16-25 are allowed.

The following is an examiner's statement of reasons for allowance: prior art does not teach nor render obvious a differential amplifier that has, in combination with other limitations, the first and second differential amplifier sections comprise a first PMOS transistor and a first NMOS transistor function as constant current sources, respectively, said bias circuit stops an operation of said first PMOS transistor when activating said second differential amplifier section, and stops an operation of said first NMOS transistor when activating said first differential amplifier section; neither does it have wherein said first differential amplifier section comprises: a first current mirror circuit whose input is connected with an output from one of said PMOS transistors of said first differential pair; and a second current mirror circuit whose input is connected with an output from the other of said PMOS transistors of said first differential pair, said second differential amplifier section comprises: a third current mirror circuit, one of whose outputs is connected with one of said NMOS transistors of said second differential pair; and a fourth current mirror circuit, one of whose outputs is connected with the other of said NMOS transistors of said second differential pair; nor does it have a control signal generating circuit which generates said control signal based on said first and second input voltages nor does it have; said activating comprises: (a) controlling a first constant current source for said first differential amplifier section

to be tuned on and a second constant current source for said second differential

amplifier section to be turned off when said first differential amplifier section is activated in response to said control signal; and (b) controlling said second constant current source to be turned on and said first constant current source to be turned off when said second differential amplifier section is activated in response to said control signal; nor does it have only said first differential amplifier section is activated when a voltage level of a predetermined signal is closer to a higher power supply voltage and only said second differential amplifier section is activated when the voltage level of the predetermined signal is closer to a lower power supply voltage.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia T. Nguyen whose telephone number is (571) 272-1768. The examiner can normally be reached on 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PTN

December 8, 2006

Patricia Ngry

PATRICIA NGUYEN

PRIMARY EXAMINER